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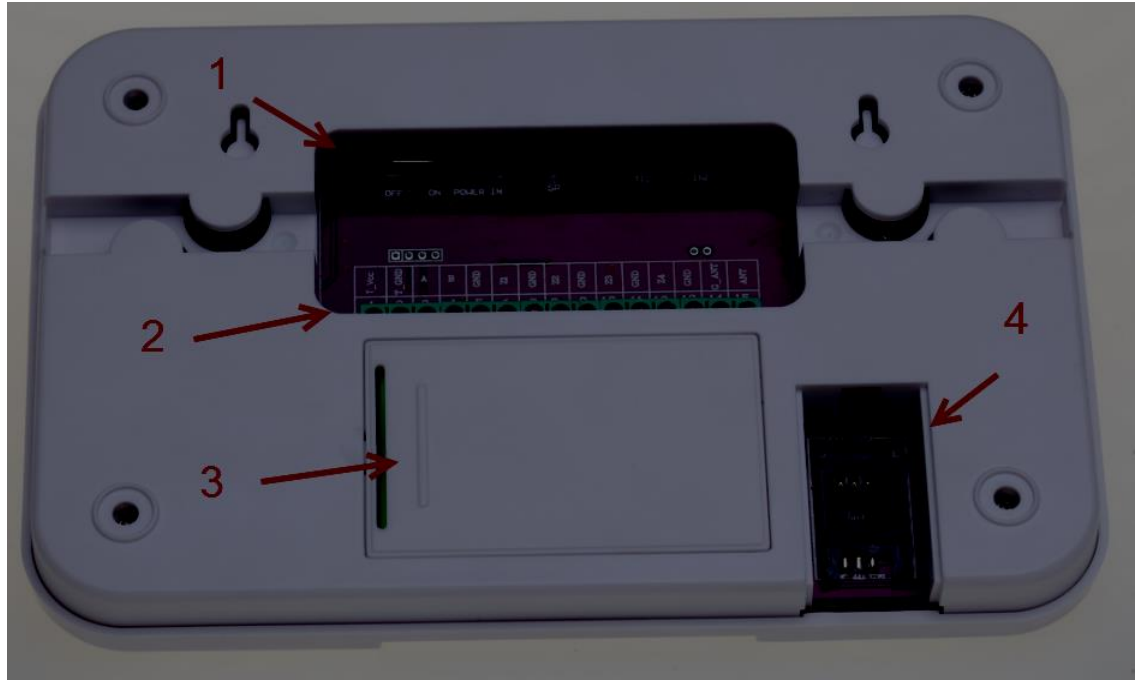

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Foreword

Thank you for choosing the GSM series alarm system from Fortress Security Store. For your safety, please read the operations manual before using the system.

This manual gives detailed steps for common operations. The reference section of the manual will be most helpful if you need to make changes to your pre-programmed system.

If you are familiar with alarm systems, you should go directly to the Quick Start section.

Copyright Information

This manual is copyrighted under the laws of the United States of America, 2014.

Safety Precautions

- Use the power supply that is shipped with the product. Use of a power supply greater than 12V, 1.2A may damage the alarm.
- Maintain air flow around all surfaces of the system.
- Keep the surfaces of the product clean and dry
- Do not operate the alarm in a damp environment
- Do not operate the alarm in areas where combustible materials and flammable gasses are located.
- Use the minimum finger pressure needed to activate keys. Extreme pressure will shorten the life of the keypad and alarm.

Description of the Alarm System

Major features

- Tactile keypad with physical and audible feedback
- Large LCD display with visual cues
- A system clock for display purposes and automating the arming and disarming of the system
- All functions available from the Main Panel and operating features accessible from a remote control (key fob) or phone
- 100 detectors supported - 4 wired and 10 wireless zones, each supporting a maximum of 10 detectors
- 8 remote controls supported
- Intercom mic/speaker for remote monitoring and communication (intercom requires use of SIM card)
- Backup battery which recharges when power is available
- Versatile alarm programming and features
    - 2 arming modes: Out Mode and Home Mode

  - 8 name options (SOS, door, window, etc.) available per zone
- Versatile alarm notifications
  - Siren and remote siren
  - Main Panel display
  - Phone (up to 6 numbers notified) and SMS text messaging (up to 3 numbers)

Please read the rest of the documentation for additional features.

Front Panel - Fortress Security Store GSM

Main Panel display

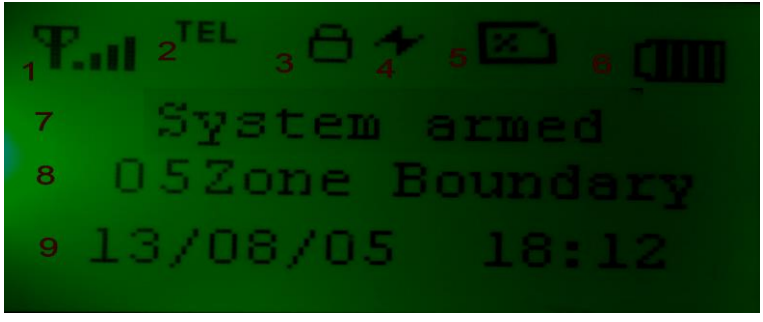
Main Panel status indicator

Tactile keypad

Main Panel Display

The display shows the status of the alarm system during operation and provides visual information during the programming process. Operational status markers are

1-GSM (cell) Signal Strength
2-Telephone (landline) connectivity
3-Armed (Lock icon)
4-Sending alerts via GSM or telephone
5-No SIM card present
6-Power Monitor (battery or power plug symbol for power source)
7-System Status (system armed, home armed, disarmed)
8-Current triggered, uncleared alarm
9-System Date & Time



Note: Not all of these will be active at once. The illustration shows the position in

which they appear when they are active.

Main Panel Status Indicators

Power - Blinks every other second if GSM SIM card is active. Blinks ever 2-3 seconds if it is searching for a SIM card or does not have a SIM card.

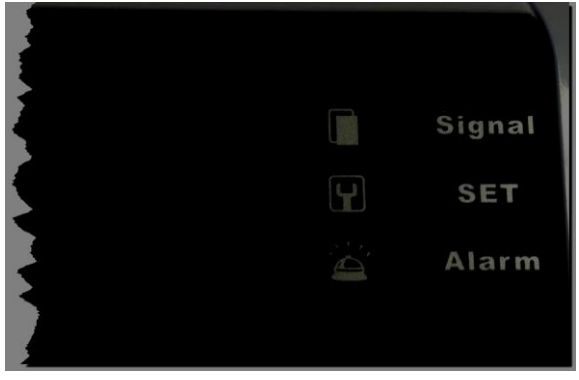
Arm - Main Panel is Away armed (unoccupied)

Home - Main Panel is Home armed (occupied)

Signal - Main Panel is working, making calls or communicating with devices

SET - Main Panel is in programming mode

Alarm - Alarm has been triggered



Keypad

1
2
3
1
2
3
4
5
6
7
8
9
SOS
ESC
ENTER

Tactile Keypad

Action Icons

1- Arms the system for unoccupied premises [Away Arm]
2- Arms the system for occupied premises [Home Arm]
3- Calls the phone number manually input on keypad [Call] (SIM card only)

Navigation Keys [Arrows] -

When programming (SET mode) these become navigation keys

2-Up ^

4-Left < 6-Right >

8-Down ˅

Action/Programming Buttons

SOS- Panic button – Activates alarm even if system is disarmed
ESC- Back Button
Enter- Completes action, sometimes is shown as “Save” on display

1-9- Used to input numbers

Back Panel - Fortress Security Store GSM

1-Power and Data Connections

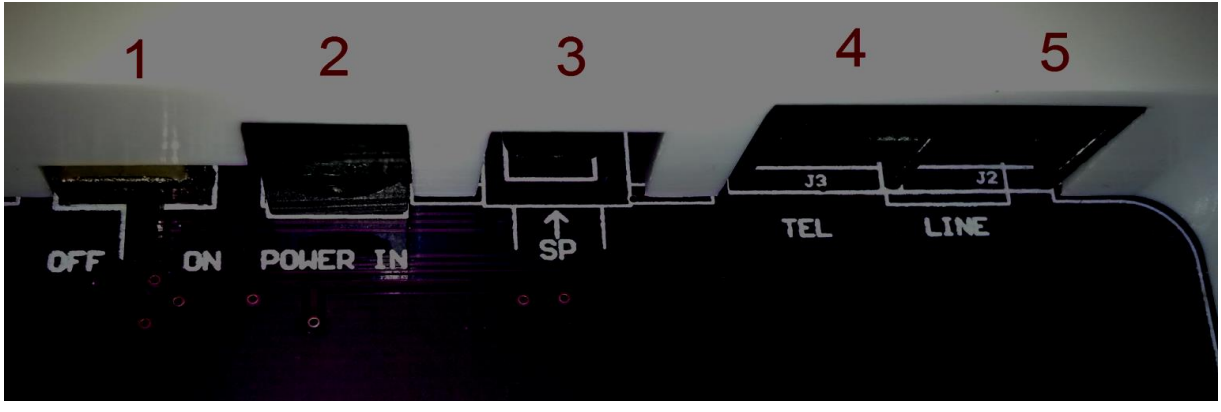
2-BUS Bar

3-Backup Battery

4-GSM SIM Card slot

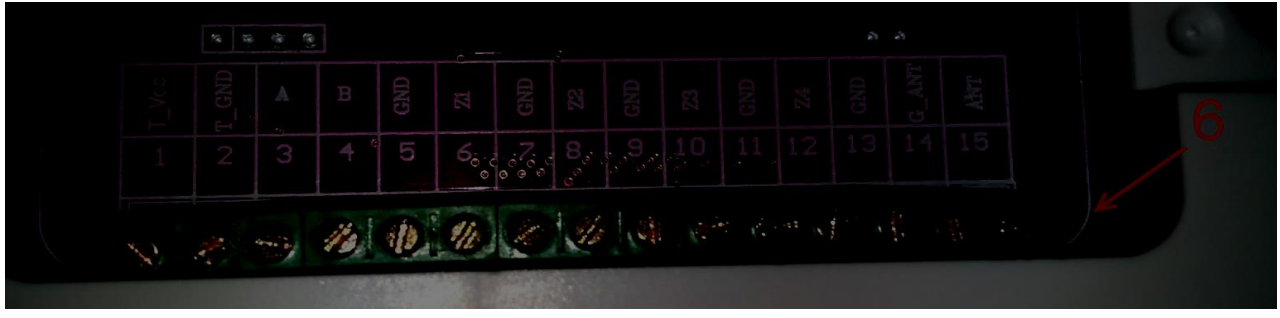
Main Panel Physical Connections

1-Off/On	Backup Battery On/Off Switch
2-Power In	12 volt power (use the power adapter that ships with the unit)
3-SP	Wired siren input (use included siren)
4-Tel	Line to an external telephone
5-Line	Line from a telephone wall jack or from phone box



Main Panel Physical Connections

6-BUS Bar Physical connections for wired sensors. To use a wired sensor, simply connect one wire from the sensor to zone terminal (Z1 – Z4) and then the other wire from the sensor to 14/GND.



Quick Start

Everything in your Fortress Security Store system is already programmed. This section is here so you can “plug and play” if you do not want to do a lot of reading first.

Feel free to visit www.FortressSecurityStore.com/support for lots of videos, answers to frequently asked questions, support articles, and the latest version of this user manual.

Remember:

The Default Program Password is 888888
The Default Operation Password is 1234

You should change these either after setting up your system. The Operation Password is the password used to turn off sirens and alarms at the Main Panel, so it should be something that can be remembered under pressure, but not something an intruder can guess.

Step 1 Unpack

Open your shipping package and check that you have received all ordered items. If not, please turn to page 81 and contact us.

Depending on the system and accessories purchased, you will have the following items.

Item	Number Purchased	Received?
Main Panel		
Window/Door Sensors		
Motion Detectors		
Glass Break Sensors		
Remote Control Key Fobs		
Indoor Siren		
Outdoor Siren		
Panic Button		

Outdoor Siren with Strobe Light		
Smoke Detector		

Step 2 Connect Phones and/or SIM card

If you are planning to use a SIM card, install it now. It fits inside the small door on the back of the Main Panel inside a small plastic swing. Match the cut out portions on the SIM card and SIM holder. Fitted correctly, the gold contacts will not be visible and the cut out portion will be on your lower right. To lock the swinging gate in place, lower the gate so the SIM card is lying flat, apply gentle pressure to the gate, and pull gently toward the outer edge of the Main Panel.

The SIM card will lock into place.

Note 1: This system is designed for standard sized SIM cards. As the newer micro- and nano-SIM cards are more prevalent, you may need to use an adapter to fit the card to the alarm system.

*Note 2: If you need an IMEI number to activate your SIM card, you can press **01 ENTER** on the Main Panel to read your IMEI number. Your SIM card provider may refer to the IMEI number as ESN, MEID, or serial number. If you tell them it is the 15 digit ID, they will know what you are talking about.*

If you are using a landline, connect a phone cable from the wall jack to the **LINE** port on the Main Panel. If you want to keep a phone near the Main Panel, connect a phone cable from the **TEL** port to the phone.

Step 3 Connect Power and Monitor Startup

Attach the included 12v power plug to the Main Panel “Power In” jack, then plug the other end of the power cable into a 120v electrical outlet. The included power adapter also works with up to 240v. You should:

1-Hear a long beep
2-See “FORTRESS VER: 005” or similar on the display for two seconds, then
3-See a GSM symbol (SIM card icon) blink on the screen every two seconds

As the symbol flashes on the screen, the display’s signal strength indicator will show a number of bars. If you have a SIM card inserted, within 10-20 seconds you should hear a short beep and the GSM symbol should go away. This means your SIM card has connected to a network.

If you are using a SIM card and do not hear the beep and the GSM symbol continues to blink, you should turn off the device, check the orientation of your SIM card, and/or call your SIM

provider to troubleshoot.

If no bars appear, troubleshoot your SIM card as described above or call your SIM card/cell phone provider to see if there is service in your area.

Note: When this step has been completed, you may should turn on the battery switch so it will be charging. Later you will test sensors and the Main Panel. If you have already mounted the sensors, it is easier to take the Main Panel to the sensors and work while on battery power until all sensors are accounted for.

Step 4 Check your system's sensors and accessories

Once again, sensors and accessories have already been programmed for your Fortress Security Store System. If you wish to make any changes or add any devices, see the programming section later. To test the sensors and accessories, first arm the system in Out Mode and then perform the steps below. You must disarm and re-arm between each sensor.

Door/Window sensor - Separate the magnet from wireless unit on side opposite the antenna until you see a red light, then move the parts close to each other so they don't interfere with the coding of other sensors.

Motion detector - Switch on until you see a red light, then switch off

Remote control (key fob) - Press any of the buttons until you see a red light

Glass break sensor – Plug in glass break sensor and tap sensor with your finger

Step 5 – Enter the phone numbers the Main Panel will call when a sensor has been triggered

1-Type the programming password (default 888888) then press Enter
2-You will see the Remote control screen. Press Right [6 key] until you get to the Phone number screen.
3-Press Enter and you will see the Phone 1 screen display “No number”
4-Press Enter again and “Input phone number” will appear
5-Type in the phone number and press Enter to save the number. You may need to enter a 1 before the area code of the phone number for the unit to dial out correctly. If you are calling a local number and do not have long distance service, you may need to enter the number without the area code.

To add more numbers, press the Right key and you will see Phone 2. Repeat the steps above.

Note: If you have made an errant keystroke, pressing the ESC key will backspace digits. Pressing ESC multiple times will exit SET mode and allow you to start over. Any changes you saved with the

Enter key before you started pressing (ESC) will be retained.

Step 6 – Enter the phone numbers the Main Panel will text when a sensor has been triggered

1-Type the programming password [default 888888] then press Enter
2-You will see the Remote control screen. Press Right until you get to the SMS number screen
3-Press Enter and you will see the SMS 1 screen with “No number”
4-Press Enter again and “Input phone number” will appear.
5-Type in the phone number and press Enter to save the entry. You may need to enter a 1 before the area code of the phone number for the unit to send the text message correctly. If you are texting a local number and do not have long distance service, you may need to enter the number without the area code.

If you have more numbers, press the Right key and you will see SMS 2. Repeat the steps above.

Note: SMS / text message notification functionality requires the use of a SIM card inside the system. You can add up to three SMS numbers.

Step 7 – (Optional) Record a message to be distributed by phone in case of an emergency

Note: When an alarm is triggered and the Main Panel calls the listed phone numbers, a pre-recorded voice message will be played for anyone who answers. The message can be up to 10 seconds long and can be as descriptive as "Alarm" repeated twice or "This is Bob's alarm system saying there has been an alarm triggered at 1234 Stone St., Smalltown, Wisconsin. Please call 911."

1-Type the programming password [default 888888] then press Enter
2-You will see the Remote control screen. Press Right [6 key] until you get to the Recording screen
3-Press Enter and you will see the Start Recording screen
4-Press Enter and record your message. Speak into the back of the panel in a clear voice.

The countdown timer will continue until 10 seconds are up and then will beep once. If you are happy with your message, press Back [ESC] until the SET light goes off. If you are not satisfied, repeat the steps above and your new message will overwrite the old one.

Step 8 – Test Operation of the Main Panel

1-Use any of the remote controls (key fobs) and press the Out Mode button (lock button). On the Main Panel you should

a-Hear the panel beeping to countdown the exit delay (default 30 seconds)
b-Hear a beep (optionally a voice saying “System Armed”)
c-See a Lock icon and “System armed” on the display
d-See the ARM light

2-Trigger a door/window sensor or motion detector. The Main Panel will make an outbound call and send a text message (if SMS numbers set up and SIM card inserted) to the numbers you have programmed in previous steps. The Alarm light will come on and the Signal light will blink as it sends out wireless signals. Any connected sirens will make a loud alarm sound.

3-Answer the phone call to hear the voice recording if you recorded one earlier.

4-Press the disarm button (open lock button) on the remote to clear the alarm and disarm the Main Panel.

Step 9 – Use Remote Access to control the Main Panel from a cellphone or landline

1-Dial the landline or SIM card phone number from an external phone

The Main Panel will answer after a certain number of rings with "Please enter password"

2-Enter the Operating Password, pausing for a voice repeating the number after each digit except the last. If you do not hear a beep/voice in one second, press the key again.

Note: This is a 4-digit password, default is 1234.

3-After entering the password successfully, the system will respond with "Please enter instruction." You may enter any of the numbers 1, 2, 3, 4.

1 Arm system
2 Disarm system
3-Listen to sound in the room where the Main Panel sits
4-Turn the Main Panel into an intercom to converse with anyone near it. This

function requires a SIM card to be inserted.

Note: Once you have entered the password successfully, you may make any series of commands you wish. For example, you may press 3 to see if you hear any noise. You hear someone, so you press 4 to talk with them. After the conversation, you decide to disarm the alarm. You enter 2 and the alarm is disarmed. But then you reconsider, and press 1 to arm it. Any time you are done with commands, hang up the phone.

Step 10 – Change the Operating (4-digit) and the Programming [SET] Password (6-digit)

If you did not change your passwords earlier, please do so here.

1-Type the programming password [default 888888] then press Enter
2-You will be at the Remote control screen. Press Right [6 key] until you get to the Settings screen. Press ENTER
3-Press LEFT/RIGHT until you reach the “Operate password” screen.
4-Press ENTER and input the 4 digit password.
5-Press ENTER to Save

The Programming Password is a 6 digit code that allows you to navigate and change system parameters. It is changed by the same procedure as the Operation Password (see steps above) except Step 3 should say “Program password” screen.

Note: Both passwords should be memorable to you and also recorded in a secure location. The Operating Password is the password you will use if you want to manually disarm the Main Panel. It should be easily recalled and typed under the pressure of sirens and beeps, but not easy for an intruder to guess. If you forget your password, please see the section ***Password Reset/Lost Password****.*

Slow Start – Starting/Programming Your System

This section covers the setup, starting, and programming of your Fortress Security Store GSM alarm system in detail. If you are ready to get started with your system, go straight to the Quick Start section and use this section as a resource when needed.

Starting/Programming Your System – Main Panel Startup Procedure

Main Panel startup must be done carefully to avoid damaging any components.

1- Make sure the power supply is not connected to the Main Panel.

2-Install the SIM card if you are planning to use one, phone lines, and wired siren

3-Insert the 12V power supply adapter into the “Power In” jack of the Main Panel. Then connect the other end of the power cord into an electrical wall jack.

4-The Power LED on the face of the Main Panel will blink approximately every second unless the SIM card is attached to the cell network. Then it will blink every 2-3 seconds. If you are not using a SIM card or the SIM card cannot attach to a network, the Power LED will continue to blink every second.

> *Note: If you have a SIM card inserted and it does not attach to a network, check the signal strength indicator on the display. Fewer than 3 bars may indicate you do not have adequate signal strength.*

5-Turn on the battery switch located on the back of the unit.

Starting/Programming Your System – How Programming Works

Programming is performed to add remote sensors and devices to the system, change or change system options. All programming is done in the same fashion.

1-Type the programming password. The default password is 888888.

2-Press Enter. At this point the SET LED lights up. While the SET LED is lit, you are in SET mode and most normal operations are suspended, e.g. you cannot arm or disarm the system.

3-In SET mode, the 2, 4, 6, 8 keys become navigational arrow keys, with 2=Up, 4=Left, 6=Right, 8=Down. These keys move you from option to option.

4-The Enter and ESC keys allow toggling options and "backing out," respectively.

5-When you need to type in information, the word “input” appears on the screen and the number keys, including 2/4/6/8, function as number keys until the typing is finished and the Enter or ESC key is pressed.

6-You may change as many options as you wish as long as the SET LED is on. When you are finished with all options you wish to change, press ESC several times until the SET LED is not lit. You can then use the Main Panel normally.

Programming Hints:

When you are programming functions, you will often see Enable, Disable, or other ON/OFF words as options. The word you see is the *current state* of the setting. If a setting shows “Enable,” it means it is currently enabled. If a setting shows “Disable,” it means it is currently disabled.

The beeps you hear let you know what's going on. The four basic beep patterns are:

1-one long beep
2-one short beep
3-two beeps
4-four beeps

The rule of thumb is one beep means a positive response, four beeps mean an operation cannot be completed, and two beeps means a reversal of state, such as a system being disarmed.

Your system has already been pre-programmed, so it may not be necessary to change anything except those items that are specific to you, such as phone number.

You do not have to exit and re-enter SET mode for each operation. As long as the SET light is visible on the Main Panel, you may change as many options as you wish. It is, however, sometimes a good policy to make a few changes, exit SET, and test operation to ensure you have programmed the functions as you intended.

Note: In the programming options that follow, "Enter SET mode" means type in the SET (Programming) password and press ENTER. It will always be Step 1 in programming.

Add/Delete Remote Control (Key Fob)

The Main Panel supports up to 8 remote controls, each with a unique and protected coding. Menu options exist to add or delete a remote control. Below are the steps to add a remote control. To delete a remote, just choose the DELETE option.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the screen Remote control.
3-Press ENTER
4-Screen Remote control 1 is visible. If needed, navigate to a different remote control
5-Highlight Coding and press ENTER
6-"Trigger remote" is shown. Press a button on the remote control and a unique number will appear on the screen. Press Save (ENTER key) and the remote control is added.

> *Note: If you try to add a remote control and get the message "Repeated Code," the remote control is already added to the Main Panel.*

Add Sensor or Detector in a Zone

The GSM system provides 10 alarm zones, each of which can have up to 10 sensors/detectors. See **Appendix: Terms and Concepts** for information on zones. Your system comes pre-programmed in an effective configuration. To see which zone a sensor is in, arm the system and trigger the sensor. The Main Panel display will show the zone information. To add a sensor:

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the screen "Zone"
3-Press ENTER
4-Screen "Zone 1" is visible. If needed, navigate to a different zone.
5-Select Coding and press ENTER, then trigger the sensor/detector
6-The detector is now assigned to that zone and inherits the zone characteristics
7-Set the zone characteristics [See **Starting/Programming Your System – Enter Characteristics of a Zone**]

Note: When adding any sensor, make sure motion detectors are turned off so they

do not inadvertently become a part of another zone.

Move/Delete Sensor or Detector in a Zone

To permanently delete a sensor or detector, take it out of service and remove the battery.

To move a sensor or detector from one zone to another, you must delete the entire zone, then add sensors back to the desired zones. For example, say Zone 3 has five sensors . One of them needs to be in a separate zone (say Zone 7) to change its operating characteristics. You must delete Zone 3, then add the other four sensors back to Zone 3 and the fifth sensor to Zone 7.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the screen “Zone”
3-Press ENTER
4-Screen Zone 1 is visible. If needed, navigate to a different zone.
5-Select Delete and press ENTER. The zone and all sensors in it are deleted.
6-To add the deleted sensors to a zone, use the steps in **Add Sensor or Detector in a Zone.**

Enter Characteristics of a Zone

All these settings are found in Zone 1 through Zone 10 and can be changed when in SET mode as described in **Add Sensor or Detector in a Zone**. Pressing ENTER rotates among the choices for each setting. All devices – sensors, detectors, etc – in the zone share the same settings.

1-Place (Refers to the Location field. The content of this field is sent out if you have SMS enabled to send a text message when an alarm is triggered.) Choices are Balcony, Boundary, SOS, Fire, GAS, Door, Hall, Window.

2-Armed State (Sensor response to an alarm trigger while in a certain mode) The Enable/Disable value can be set in Away Arm/Out Mode, Home Arm, and Disarmed fields. An example of enabling an alarm to be triggered when the main panel is Disarmed is if the zone contains fire alarms. Fire alarms should be active even if the Main Panel is set to disarmed.

3-Siren (Siren response to an alarm trigger in this zone) Usually the siren is enabled, but if you have a zone you would like to trigger the alarm, but silently, the siren may be disabled.

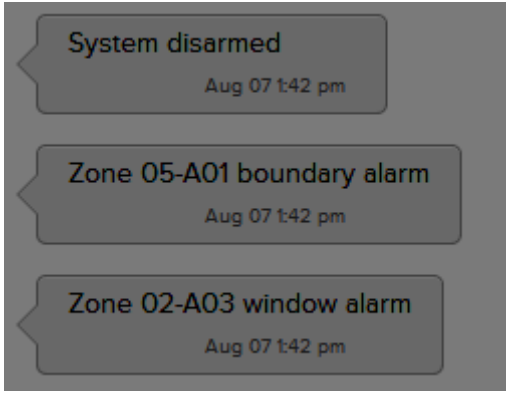
4-Delay (When the sensor is triggered, gives you time to disarm the system before the alarm sounds)

Add/Delete Phones to Call on Alarm Trigger

You can enter up to six phone numbers for the Main Panel to dial when an alarm is triggered. The system will dial them in order three times or until someone answers and disarms the system. Keep in mind most municipalities do not allow auto-dialing 911 or public safety numbers from an alarm system.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the screen “Phone number”
3-Press ENTER
4-Screen “Phone 1” is visible. If needed, navigate to a different phone number.
5-Highlight “No number” and press ENTER.
6-Input the phone number and press ENTER (Save). You may need to enter a 1 before the area code of the phone number for the unit to dial out correctly. If you are calling a local number and do not have long distance service, you may need to enter the number without the area code.

Add/Delete SMS to Text Message on Alarm Trigger



You can enter up to three cell phone numbers for the Main Panel to text message when an alarm is triggered. The system will text all phone numbers at once.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the screen "SMS number"
3-Press ENTER
4-Screen SMS 1 is visible. If needed, navigate to a different SMS number.
5-Highlight "No number" and press ENTER.
6-Input the phone number and press ENTER (Save). You may need to enter a 1 before the area code of the phone number for the unit to send the text message correctly. If you are texting a local number and do not have long distance service, you may need to enter the number without the area code.

Record/Play a 10 second voice message

When an alarm is triggered and the Main Panel calls the programmed phone numbers, a voice message will be played to anyone who answers. The message can be up to 10 seconds long.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the screen “Recording”
3-Press ENTER
4-You will see the “Start Recording” screen.
5-Press Enter and record your message. Speak into the back of the panel in a clear voice.
The countdown timer will continue until 10 seconds are up and then will beep once. If you are not happy with your message, you may start the process again and the new message will overwrite the old.

To play back your message rather than record a new one, when you see Step 4 “Start Recording” screen,

5-Press RIGHT.

6-Press ENTER with Play highlighted

Set System Date and Time

The system date and time are shown on the display during normal operation. Not only is it a convenient clock, but this system time is used to determine when to perform certain timed delay functions, so it is important that it be accurate. Be aware every time power is disrupted, the date/time function will return to its default and will need to be reset. However, with the backup battery in the Main Panel, this is unlikely to happen often.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the screen “Time”
3-Press ENTER
4-The Date Screen is shown. Press ENTER again.
5-The input screen appears. Enter the date by typing the year+month+day – for example 130517 for May 17, 20**13**. Then press ENTER (Save).
6-Press RIGHT. You will see the Time screen.
7-Press ENTER and the input screen appears. Enter the time in 24-hour format - for example, 0530 for 5:30AM and 1835 for 6:35PM.

8-Press ENTER (Save).

9-Press ESC until you are out of SET mode and check the date and time on the display.

Set/Disable Time for System Arming/Disarming

Once the system date/time is set, you can program the Main Panel to arm and disarm the alarm system automatically. For example, a house is empty from 6am until 3:30pm when children and their sitter arrive home from school. The alarm could be set to automatically arm at 6:10am and disarm at 3:15pm.

The arming mode is Away Arm (not Home Arm), so it is not appropriate for automatic setting while people are on premises.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the screen “Time”
3-Press ENTER and then RIGHT until the “Timely arm” screen appears
4-Press ENTER and then type in the time, in 24-hour format, you want the system to arm itself. Then press ENTER (Save)
5-Use RIGHT or LEFT until the “Timely disarm” screen appears. Press ENTER and then type in the time, in 24-hour format, you want the system to disarm itself. Then press

6-Press ESC until the SET LED is not lit.

To disable automatic arming/disarming, follow the steps above, but enter a time of 24:01 through 24.59. Since this is an “illegal” time, the display will return to Disable when you press ENTER (Save).

> *Note: You cannot use other illegal times to disable the function; the time must be 24:01 through 24:59.*

Black Wireless Siren Coding/Pairing

The video Outside Alarm is easiest way to lear how to register a black wireless siren with the Main Panel. If it is not available, read through these steps and then perform them.

1-Ensure Main Panel is powered and press Disarm (open lock symbol) on a remote control
2-Unplug the Main Panel's attached siren (to avoid noise)
3-Press the Alarm button (speaker icon) on the remote control
The Main Panel LCD display shows the remote control's zone and the alarm LED is on
4-Power on the remote siren
The siren will make a two-toned chirp then beep twice after a couple of seconds.
The siren is now powered up correctly.
5-Disconnect the siren power cable, wait 1 second, then reconnect it
The siren emits one beep
Disconnect the siren power cable, wait 1 second, then reconnect it
The siren emits one beep
Disconnect the siren power cable, wait 1 second, then reconnect it
The siren emits three beeps

6-Press the Disarm (open lock symbol) on the remote and wait 5 seconds

The remote siren emits several beeps

7-Immediately disconnect the siren's power cable for 3 seconds then reconnect

The remote siren emits two beeps

Settings – Change Password

The Operation Password is a 4 digit code that allows you to manage the day-to-day operation of the Main Panel. This password is also used to disarm directly at the Main Panel. It should be something memorable but not easy to guess by anyone else.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the screen “Settings”
3-Press LEFT/RIGHT until you reach the “Operate password” screen.
4-Press ENTER and input the 4 digit password.
5-Press ENTER (Save)

The Programming Password is a 6 digit code that allows navigating and changing system parameters. It is changed the same way as the Operation Password (see steps above) except at Step 3 go to the “Program password” screen.

Settings – Set Arm Delay Time

Setting Away Arm usually means you are allowing all sensors to trigger alarms. If you are in a building and Away Arm the system, you will certainly set off a sensor before getting out of the building. You can set the Arm Delay Time from 1-99 seconds to give yourself time to leave before the sensors trigger an alarm. The system will beep every second during the delay. Your system is pre-programmed with a 30-second delay for Away Arming.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the Settings screen
3-Press LEFT/RIGHT until you reach the Delay Arm screen.
4-Press ENTER and input the seconds to delay Away Arming.
5-Press ENTER (Save)

Settings – Alarm & Call Delay Time

This feature sets the time delay, from 1-99 seconds, before a triggered alarm causes the main panel to activate the alarm, start sirens, and begin calling numbers on the phone and SMS list. The main panel beeps every second until the alarm is activated. The default is 40 seconds.

Note: This setting is only applied to zones that have the Delay field set to "Enable." If the Delay field of a zone is set to Disable, the Delay Alarm Time is 0 seconds regardless of this setting.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the Settings screen
3-Press LEFT/RIGHT until you reach the Delay Alarm screen
4-Press ENTER and input the seconds to delay the alarm
5-Press ENTER (Save)

Settings – Voice Prompt

By default when you press keys and arm or disarm the system, a voice from the Main Panel provides feedback. When you enter your password, the Voice Prompt speaks the digits as you press them. This feature can be disabled if you prefer not to hear the voice.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the Settings screen
3-Press LEFT/RIGHT until you reach the Voice prompt screen.
4-Press ENTER to toggle between Enable and Disable

Settings – Siren Prompt

When you are arming/disarming a system with the remote control, you cannot hear the beeps of the Main Panel to know if the operation was successful. By default, the Siren Prompt is disabled, but if you enable it, the siren will produce a short blast which lets you know the arming was successful (Away Arm only) and two short blasts to let you know the disarming was successful (disarming from both Away Arm and Away Home).

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the Settings screen
3-Press LEFT/RIGHT until you reach the Siren prompt screen
4-Press ENTER to toggle between Enable and Disable

Settings – Remote Siren

By default, when the SOS on the main panel or “Panic” key (speaker symbol) on the remote fob is pressed, both the wired or remote siren(s) sound. If Remote Siren is disabled, only the wired siren will sound when the SOS or “Panic” key is pressed.

If the SOS button is used as an attention getting or intruder warning device, the siren should be enabled. If the intent is to send out a “silent” alarm via the Main Panel’s phone/SMS numbers, the Remote Siren should be disabled.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the Settings screen
3-Press LEFT/RIGHT until you reach the Remote siren screen
4-Press ENTER to toggle between Enable and Disable

Settings – Arm disarm SMS

If this feature is enabled, a text message is sent to all numbers listed in the SMS list whenever an arm/disarm event occurs. This allows everyone on that list to know the current state of the system. If your SMS phones and/or the SIM card in the Main Panel are on a pay as you go plan, each arm/disarm event will be charged to your wireless plan. By default, this feature is off.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the Settings screen
3-Press LEFT/RIGHT until you reach the Arm disarm SMS screen
4-Press ENTER to toggle between Enable and Disable

Settings – Language

Chinese or English can be chosen as the Main Panel's display language. The default for your system is English.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the Settings screen
3-Press LEFT/RIGHT until you reach the Language screen.
4-Press ENTER to toggle between English and Chinese

Settings – Line Rings

This setting allows you to use a landline for both voice and alarm system control by specifying the alarm system will not answer the phone until after a certain number of rings. Six rings is the default.

This setting and feature will not work well for you if you also have an answering machine or fax machine on the same line. Those devices (with the exception of smart fax machines) also expect to answer a call on a certain ring. The device with the shortest ring setting will always pick up.

This setting does not affect the SIM card— if you call the SIM card's phone number it will pick up on the first ring.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the Settings screen
3-Press LEFT/RIGHT until you reach the Line Rings screen.

4-Press ENTER to toggle between Enable and Disable

Settings – Alarm mode

You can select if the system will use the phone line, SIM card, or both. If a calling method is not available, the main panel still attempts to make the call without giving any sort of error message.

GSM means the system will only make calls with the SIM card. Line means the system will only make calls with the phone line. GSM/Line means the system will use both. If both are present they will make calls at the same time.

The pre-recorded voice message will always be played over the phone.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the Settings screen
3-Press LEFT/RIGHT until you reach the Alarm mode screen.
4-Press ENTER to toggle between GSM, Line, and GSM/Line

Settings – Siren Time

You can select the time in minutes the wired siren will sound when the alarm is triggered. You can adjust the time from 1 – 10 minutes. The default time is 1 minute.

This settings does not affect wireless sirens. Wireless sirens will sound for a fixed time of three minutes.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the Settings screen
3-Press LEFT/RIGHT until you reach the Siren Time screen
4-Press ENTER to toggle the time through 1 – 10 minutes

Settings – Delay Beep

Normally the system will make a series of beeps if you trigger a delayed zone. The beeps will continue for the amount of time specified in Delay alarm until the delay has finished or the system is disarmed.

You may enable or disable the beeps.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the Settings screen
3-Press LEFT/RIGHT until you reach the Delay Beep screen.
4-Press ENTER to toggle between Enable and Disable

Settings – Factory Reset

If your system does not function correctly, has become misconfigured, requires major sensor/hardware/SMS changes, etc., you may have to perform a factory reset. This resets all settings. Any sensors/detectors/sirens, etc. will no longer be programmed to the system.

THIS IS A LAST RESORT AND CLEARS ALL SETTINGS.

1-Enter SET mode
2-Use Left-Right arrow keys if necessary to navigate to the Settings screen
3-Press LEFT/RIGHT until you reach the Factory setting screen.
4-Highlight Restore and press ENTER

Slow Start - Testing and Using Your System

This section covers the daily use of your system as well as the maintenance and testing. This section should be read thoroughly to get the best results with your GSM system.

Password Reset/Lost Password

If you should forget either of your passwords, you can reset both passwords to the system default. After than you can use the instructions in **Starting/Programming Your System – Settings – Change Password** or **Quick Start** to change them to secure passwords.

1-Make sure the system is disarmed. If it is armed and you no longer know the Operation Password, you use a Remote Control (Key Fob) to disarm the system or completely power down the system and then turn it back on.

2-Type in 95175308246 and press ENTER

The passwords have now been reset to the system defaults

Operations Password	1234
Programming Password	888888

Arming the System – Away Arm

Away Arm is the type of arming you should use when no one will be in the building. By default it allows all sensors/detectors, etc. to trigger an alarm and start the notification process. In other words, it allows coverage inside and on the boundary. By default you have 30 seconds to leave the building after using Away Arm.

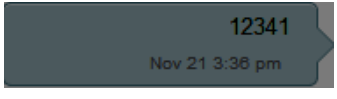
You can Away Arm by four methods

1-Remote Control (Key Fob) – Lock icon

2-ARM key on the Main Panel – Depicts figure leaving house – top left button on keypad

3-Remote Access telephone call to the Main Panel (Enter 1 after entering password)

4-Send a text message to the SIM card phone number with your password and a **1** . For example, if your password is 1234, the message would be



Arming the System – Home Arm

Home Arm is the type of arming you should use when you are in the building and moving around. By default it deactivates motion sensors and allows boundary sensors, such as door/window sensors, to trigger an alarm and start the notification process. In other words, it allows coverage on the boundary but allows free movement inside.

You can Home Arm by two methods

1-Remote Control (Key Fob) – House icon

2-Home key on the Main Panel – Depicts figure inside house – under top left button on keypad

Arming the System – Disarm

Disarm deactives all sensors except for emergency detectors. SOS, panic buttons, smoke detectors, or any other 24-hour devices will still trigger the alarm and begin the notification process.

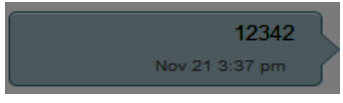
You can Disarm by four methods

1-Remote Control (Key Fob) – Unlock icon

2-Entering Operations password and pressing ENTER on the Main Panel

3-Remote Access telephone call to the Main Panel (Enter 2 after entering password)

4-Send a text message to the SIM card phone number with your password and a **2** . For example, if your password is 1234, the message would be



Answering an Alarm Call from Main Panel

If you have programmed the Main Panel to call out when an alarm is triggered, it calls the first phone on the list. If no one answers and resets or disarms the system, the second phone on the list is called. If no one answers and resets or disarms the system from the second phone number, the remaining phones are called.

If no one answers and resets or disarms the system the first time through the list, the Main Panel calls the list two more times. If no one answers any of the calls and resets or disarms the system, the Main Panel stops dialing and no further attempt is made. If the alarm is triggered again, the system will begin the calling again.

If a phone is answered, the person answering the phone first hears a 10 second recorded message, if one has been recorded. Four keys can be used to give commands to the Main Panel at this point (see next page). If the answerer hangs up without pressing any of the four buttons, the Main Panel continues its phone calls.

Key Presses and Results when Answering a Call from the Main Panel	
Key Press	**Results**
S0S key (00)	Enable
1	The Main Panel clears the alarm and re-arms in Away Arm state. It stops calling other numbers.
2	The Main Panel clears the alarm and disarms itself. It stops calling other numbers.
3	Sirens are turned off and audio monitoring of the area around the Main Panel occurs for 30 seconds. Additional key presses allow another 30 seconds of monitoring.
4	The Main Panel allows a 30-second intercom session. This function is only available through use of a SIM card.

Calling the Main Panel

If you call the number of the Main Panel (either the landline number or cell phone number associated with the SIM card) you can use the same telephone key presses to control the Main Panel. Simply dial and make key presses when you hear the Main Panel answer. You will be required to input your passcode before giving commands.

Key Presses and Results when Answering a Call from the Main Panel	
Key Press	**Results**
1	The Main Panel clears the alarm and re-arms in Away Arm state. It stops calling other numbers.
2	The Main Panel clears the alarm and disarms itself. It stops calling other numbers.
3	Sirens are turned off and audio monitoring of the area around the Main Panel occurs for 30 seconds. Additional key presses allow another 30 seconds of monitoring.

4	The Main Panel allows a 30-second intercom session. This function is only available through use of a SIM card.

Emergency (Panic Button) Alarm Call

Sometimes it is necessary to send out an immediate alarm. Perhaps there is an intruder or an accident. The Emergency, or panic, alarm call works in all modes (Away Arm, Home Arm, Disarmed) and can be initiated in three ways. In addition to making the automatic phone calls, any sirens connected to the system will sound.

1-The SOS button on the Main Panel
2-The “speaker” icon on the remote control
3-The optional panic button that you may have purchased with the system

Note: The alarm zone of an Emergency Alarm is 00.

Making a Call from the Main Panel

If the Main Panel has a SIM card inside, it can make a call just as if it were a typical speakerphone.

1-The Main Panel must be disarmed
2-Use the keypad to input the phone number you wish to call. You may need to input a 1 before the area code.
2-Press the [Call] button.

When the person answers you can converse at length. When you are ready to hang up, press the [Call] button again.

Alarm History

A log of the last 30 alarms is kept in alarm history, newest alarm first. The 31st alarm overwrites the oldest alarm in the history.

1- Use the keypad to input 00, then press ENTER
2-Use the LEFT and RIGHT keys to navigate through the alarm history.

System Maintenance

Both the Main Panel and the sensors, detectors, remote controls, and other devices need to be checked periodically to test complete functionality.

While there is no hard and fast rule, it is wise to check every device at least once in a three month period. For greater safety and reliability, check more often.

Much of the periodic maintenance is satisfied by the normal operation schedule. For example, if you use the arming timer, you will be able to see if the arm and disarm function is working at the Main Panel.

The following table lists periodic maintenance tests.

Maintenance Tasks and Suggested Frequency		
Task	Frequency	What/How
Arm/Disarm	Quarterly	Arm in all modes (Away Arm, Home Arm) and disarm
Triggered Alarm Notification	Quarterly	Trigger an alarm and see if the Main Panel dials all the phones in its list and sends SMS data
Main Panel-Sensor Communication	Quarterly	Trigger all or a rotating subset of sensors/detectors to make sure they can communicate with the Main Panel
Main Panel Battery	Quarterly	Remove electrical power for 1-2 hours to see if backup battery power works
Detectors/Sensors/Remote Controls batteries	Monthly	Check that batteries are working by testing batteries or triggering sensors/remotes

Slow Start - Appendices of Technical Information

The Appendices contain background information about your GSM alarm system. Besides technical specifications and information, this section is a living document that will grow as needed. Check back periodically as this section of the manual may change frequently.

Appendix A: Technical and Product Specifications

Product Specifications

Main Panel Size	Approximately 7.75”W x 5.25”D x 1.5”H
Input Voltage	DC 12V/1A
Standby Current	<35mA
Alarm Current	<450mA
Wireless Frequency	433MHz, 2262 / 4.7MΩ
GSM System	850/900/1800/1900MHz
Backup Battery	Ni-MH 800mAh DC7.2V
Siren Loudness	<=110dB

Default Settings

Zone	Away Arm	Home Arm	Disarmed	"Place" Label	Siren	Delay
Zone1	Enable	Enable	Disable	Door	Enable	Disable
Zone2	Enable	Disable	Disable	Hall	Enable	Disable
Zone3	Enable	Enable	Disable	Window	Enable	Enable
Zone4	Enable	Disable	Disable	Balcony	Enable	Disable
Zone5	Enable	Disable	Enable	Fire	Enable	Disable
Zone6	Enable	Disable	Enable	Gas	Enable	Disable
Zones 7-9	Enable	Disable	Disable	SOS	Enable	Disable
Zone 0	Enable	Enable	Enable	SOS	Enable	Disable
S0S key (00)	Enable	Enable	Enable	S0S	Enable	Disable
Selected Parameters						
SET password	888888					

Operating password	1234			
Wireless Siren Duration	180 seconds			

*Many people desire to have the primary entry door on a delay to help prevent accidental alarms. If you prefer this, use **Move/Delete Sensor or Detector in a Zone** to assign that door contact, currently in Zone 1, to another zone and set the appropriate delay as described in **Enter Characteristics of a Zone**.

Support

Please visit www.FortressSecurityStore.com/support for lots of videos, answers to frequently asked questions, support articles, and the latest version of this user manual. If you still have questions or problems, we are happy to help!

If you have an idea for improving the manual, please share it us!

Phone (206) 981-5371
Email Support@FortressSecurityStore.com